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avives@eresmas.net

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Lastuvka, Z.; Lastuvka, A.

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(Lepidoptera: Gracillariidae)

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## Lectotype designation of *Lithocolletis lapadiella* Krone, 1909 and its first Iberian Peninsula record (Lepidoptera: Gracillariidae)

Z. Laštůvka & A. Laštůvka

### Abstract

The lectotype of *Lithocolletis lapadiella* Krone, 1909 is designated here and the synonymization with *Lithocolletis dalmatinella* Amsel, 1951 and *Phyllonorycter picardi* Buvat, 1995 has been confirmed. *Phyllonorycter lapadiella* (Krone, 1909) is recorded from the Iberian Peninsula for the first time; and its known distribution is presented.

KEY WORDS: Lepidoptera, Gracillariidae, *Phyllonorycter lapadiella*, lectotype, distribution, Iberian Peninsula.

### Designación del Lectotipo de *Lithocolletis lapadiella* Krone, 1909 y su primera cita en la Península Ibérica (Lepidoptera: Gracillariidae)

### Resumen

Se designan el lectotipo de *Lithocolletis lapadiella* Krone, 1909 y se confirma la sinonimia con *Lithocolletis dalmatinella* Amsel, 1951 y *Phyllonorycter picardi* Buvat, 1995. *Phyllonorycter lapadiella* (Krone, 1909) se cita por primera para la Península Ibérica; se presenta su distribución conocida.

PALABRAS CLAVE: Lepidoptera, Gracillariidae, *Phyllonorycter lapadiella*, lectotipo, distribución, Península Ibérica.

### Introduction

The taxonomic status of *Lithocolletis lapadiella* Krone, 1909 remained unclear for many years (G. Deschka, pers. comm., DE PRINS & DE PRINS, 2005), in spite of the extensive and, in general, accurate description by KRONE (1909). The descriptions of *Lithocolletis dalmatinella* by AMSEL (1951) and *Phyllonorycter picardi* by BUVAT (1995) are clear and unambiguous. It was obvious, that all these descriptions refer to the same, large *Phyllonorycter* species that mines stems of *Spartium junceum*. Therefore, we synonymized these three taxa (LAŠTŮVKA & LAŠTŮVKA, 2006) based on their descriptions and the type material of *L. dalmatinella*. We had been informed by G. Deschka (pers. comm.) that the type material of Krone was probably lost. After the publication, E. J. van Nieukerken (pers. comm.) drew our attention to the fact that a part of Krone's collection is deposited in the Hungarian Natural History Museum in Budapest. Thanks to the kind assistance of László Ronkay and Andras Kun, all four of Krone's syntypes of *L. lapadiella* were found here.

The synonymy of the three taxa mentioned could be confirmed by the study of Krone's type material from which we designate a lectotype here. For clarity we repeat the complete synonymy, add the first Iberian record and present the known distribution of this species.

*Phyllonorycter lapadiella* (Krone, 1909)

*Lithocolletis lapadiella* Krone, 1909: 130

Type locality: Croatia, Gravosa [= Dubrovnik], Lapad Peninsula

Type material: Lectotype ♂ (designated here), with the following labels: "Type" - "Gravosa Krone" - "lapadiella Kr. Coll. Krone" - "5.24.V. Lapad" - "Lectotypus *Lithocolletis lapadiella* Krone des. A. & Z. Laštůvka 2009"; coll. HNHM Budapest; Paralectotypes 3 ♂♂ with the same data, coll. HNHM Budapest.

*Lithocolletis dalmatinella* Amsel, 1951: 415

Type locality: Montenegro, Igalo near Herceg Novi; synonymized by LAŠTŮVKA & LAŠTŮVKA (2006)

*Phyllonorycter picardi* Buvat, 1995: 15

Type locality: France, Marseille, Le Roy d'Espagne; synonymized by LAŠTŮVKA & LAŠTŮVKA (2006)

Comment: All four of Krone's syntype specimens are in bad condition. The selected lectotype lacks the right forewing and antennae, but only in this specimen the wing colouration is well-preserved (Figs. 1, 3). The genitalia of the lectotype are preserved in a glycerine vial, pinned with the specimen (Fig. 2). The diagnostic characters of this species are given by LAŠTŮVKA & LAŠTŮVKA (2006).

Distribution: Southern Europe from France across Italy, Sicily, Croatia, Montenegro to Greece (LAŠTŮVKA & LAŠTŮVKA, 2006). We supply the first record from the Iberian Peninsula here: Spain, Gerona, La Jonquera, 1 ♂, 7-VI-2009 (A. & Z. Laštůvka), collected at light near bushes of *Spartium junceum* (Fig. 4).

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We are grateful to G. Deschka (Steyr) for comments on *Phyllonorycter lapadiella*, to Dr. E. J. van Nieukerken (Leiden) for the information on the possible location of the type material of this species, to Dr. L. Ronkay and Dr. A. Kun (HNHM Budapest), who kindly loaned us the type material, to M. Corley for linguistic revision of the manuscript and to Dr. A. Vives (Madrid) for the correction of the Spanish abstract.

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\* Z. L.

Department of Zoology, Fisheries, Hydrobiology and Apiculture  
Mendel University of Agriculture and Forestry  
Zemědělská, 1  
CZ-613 00 Brno  
REPÚBLICA CHECA / *CZECH REPUBLIC*  
E-mail: last@mendelu.cz

A. L.

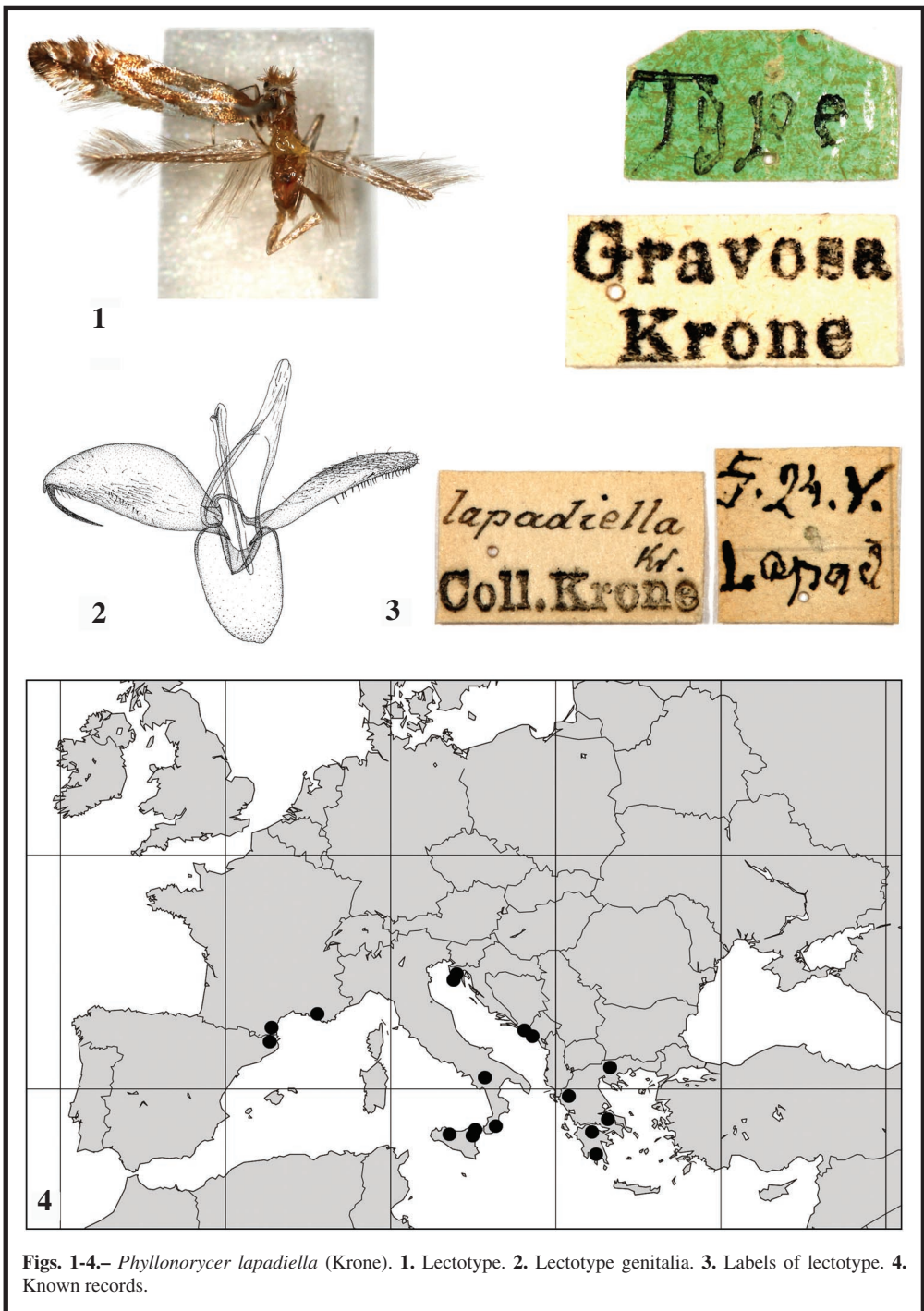
Slavíčková, 15  
CZ-796 01 Prostějov  
REPÚBLICA CHECA / *CZECH REPUBLIC*

\*Autor para la correspondencia / *Corresponding author*

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**Figs. 1-4.**– *Phyllonorycer lapadiella* (Krone). 1. Lectotype. 2. Lectotype genitalia. 3. Labels of lectotype. 4. Known records.